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Serial No.: 10/041,849

Claims As Amended

Please cancel Claim 2.

Please amend Claims 1, 3, 4 and 8.

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LISTING OF THE CLAIMS

1. (currently amended) A calibration cassette pod for robot teaching comprising:
a cassette pod body and a cassette pod door, said cassette pod body is constructed of a top panel, a bottom panel, two side panels and a front panel defining a cavity therein;
a first plurality of ribs formed on an inside surface of said two side panels and said front panel each having a preset depth sufficient for supporting an edge portion of a wafer;
an optical detector housing mounted on an opening in said front panel adapted for receiving an optical detector therein; and
an optical detector comprising a light emission source and a photo diode receiver for determining the position of said edge portion of the wafer, said light emission source and said photo diode receiver comprises a second plurality of light emission units and a second plurality of photo diode receivers that are aligned on a radius projecting from a center of said cassette pod body.
2. (cancelled)
3. (currently amended) A calibration cassette pod for robot teaching according to claim ~~2~~ 1, wherein said second plurality is at least three.
4. (currently amended) A calibration cassette pod for robot teaching according to claim ~~2~~ 1, wherein said second plurality is at least five.

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5. (original) A calibration cassette pod for robot teaching according to claim 1 further comprising a process controller for receiving signals from said optical detector and comparing to a stored datum.

6. (original) A calibration cassette pod for robot teaching according to claim 1, wherein said light emission source emits a visible light beam.

7. (original) A calibration cassette pod for robot teaching according to claim 5 further comprising a robot arm controlled by said process controller.

8. (currently amended) A calibration cassette pod for robot teaching according to claim 21, wherein said optical detector is mounted in said optical detector housing with said second plurality of light emission units and said second plurality of photo diode receivers protruding into said cavity of said cassette pod body.

9. (previously presented) A calibration cassette pod for robot teaching according to claim 1, wherein said cassette pod body when installed on a loadport of a process machine with said cassette pod door removed, allows a robot arm to deliver/remove a wafer to/from said cavity.

10. - 14. (cancelled)